

**Amendment to the Claims:**

1. (Currently amended) A diagnostic imaging system, comprising:  
a control system to control the execution of operational items by the diagnostic imaging system on the basis of an execution list; and  
a user interface coupled to the control system, the user interface including a scheduler module which generates an ordered selection of operational items, the scheduler module autonomously ordering the operational items based on respective parameter settings of the operational items, wherein the scheduler releases operational items to the execution list according to the ordered selection and provides progress information to the user interface during a diagnostic imaging session related to the way the execution of operational items is advancing in the diagnostic imaging session in progress.
2. (Canceled)
3. (Previously presented) A magnetic resonance imaging system as claimed in claim 9, wherein the control system controls the execution of operational items on the basis of an execution list and the scheduler releases operational items according to the ordered selection.
4. (Previously presented) A diagnostic imaging system as claimed in claim 1, wherein the scheduler releases operational items in dependence of successful completion of preceding operational items of the ordered selection.
5. (Original) A diagnostic imaging system as claimed in claim 1, wherein the scheduler module is provided with a memory, in particular a database with a browser, to store scan schedules.
6. (Currently amended) A diagnostic imaging system comprising:  
a control system to control the execution of operational items by the diagnostic imaging system; and

a user interface coupled to the control system, the user interface including a scheduler module which generates an ordered selection of operational items autonomously ordered by the scheduler module based on parameter settings of the operational items;

wherein the scheduler module is configured to issue instructions to the user prompted by the operational items during the execution of the operational items.

7. (Currently amended) A diagnostic imaging system as claimed in claim 1, wherein the scheduler module is arranged to make available to the user interface a description of the operational item[[,]] ~~in particular in dependence of the operational item~~ being released to the execution list.

8. (Previously presented) A magnetic resonance imaging system as claimed in claim 3, wherein the scheduler module is arranged to provide progress information to the user interface, said progress information being related to the way the execution of operational items is advancing.

9. (Currently amended) A magnetic resonance imaging system comprising:  
a control system to control the execution of operational items by the magnetic resonance imaging system;

a user interface coupled to the control system, the user interface including a scheduler module which generates an ordered selection of operational items; and

a displaceable patient support;

wherein the control system is set up to displace the patient support among various imaging ~~positions~~ stations and conduct several different magnetic resonance imaging sequences at individual imaging ~~positions~~ stations such that the different magnetic resonance imaging sequences at each individual imaging ~~position~~ station share the same geometry, ~~and to alternate performance of the several magnetic resonance imaging sequences with the displacement of the patient support among the various imaging positions~~ the control system grouping all image acquisition sequences to be performed at each individual station together and performing all

image acquisition sequences to be performed at each individual station together before the patient support is moved to a next station of the various imaging stations.

10. (Previously presented) The diagnostic imaging system as claimed in claim 1, wherein the diagnostic imaging system is a magnetic resonance imaging system.

11. (Previously presented) The diagnostic imaging system as claimed in claim 6, wherein the diagnostic imaging system is a magnetic resonance imaging system.

12. (Previously presented) The diagnostic imaging system as claimed in claim 11, wherein the scheduler module is arranged to issue an instruction to the user prompted by execution of an operational item calling for applying a surface RF coil.

13. (Previously presented) The diagnostic imaging system as claimed in claim 6, wherein the scheduler module is arranged to issue an instruction to the user prompted by execution of an operational item calling for infusion of contrast agent.

14. (New) The diagnostic imaging system as claimed in claim 1, wherein the scheduler module supports an editing mode in which an operator can edit the autonomously ordered selection of operational items.